

EXAMINER'S AMENDMENT

The restriction requirement mailed on 6/17/2008 is withdrawn. **Claims 7-10, 14 are rejoined** in the instant Examiner's Amendment.

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Erin Hoffman on 11/5/2010.

IN THE CLAIMS:

1. (Currently Amended) A bioartificial implant, comprising: a semipermeable barrier having a surface coating of a bioactive metal, the surface coating being permeable to not interfere with the semipermeability of the semipermeable barrier, ~~wherein the semipermeable barrier has a first side and a second opposite side and the semipermeability of the semipermeable barrier allows diffusion of a first group of at least one of substances, materials, molecules, cells, and cell lines from the first side to the second opposite side but prevents diffusion of a second group of at least one of substances, materials, molecules, cells, and cell lines from the first side to the second opposite side, and wherein the semipermeable barrier is designed, to allow diffusion of body cell nutrients and oxygen from a donee's body from a~~ the first side to the a second opposite side of the semipermeable barrier where body organ/cells from a donor are positioned, and from the

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second opposite side and to the first side to allow diffusion of substances, produced by the donor's body organs and cells.

12. (Currently Amended) A bioartificial implant, comprising: a semipermeable barrier having a surface coating of a bioactive metal, the surface coating being permeable to not interfere with the semipermeability of the semipermeable barrier: and
a sensor element enclosed by said semipermeable barrier, ~~wherein the semipermeable barrier has a first side and a second opposite side and the semipermeability of the semipermeable barrier allows diffusion of a first group of at least one of substances, materials, molecules, cells, and cell lines from the first side to the second opposite side but prevents diffusion of a second group of at least one of substances, materials, molecules, cells, and cell lines from the first side to the second opposite side, and~~ wherein the semipermeable barrier is designed, from ~~the~~ a first side to allow diffusion of a substance to ~~the~~ a second opposite side of the semipermeable barrier, the substance being detectable by the sensor element, and from the second opposite side to allow diffusion of the substance to the first side.

Conclusion

Claims 1,3-10 and 12-14 are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TIFFANY M. GOUGH whose telephone number is (571)272-0697. The examiner can normally be reached on M-F 8-5 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weber Jon can be reached on 571-272-0925. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Tiffany M Gough/
Examiner, Art Unit 1657

/JON P WEBER/
Supervisory Patent Examiner, Art Unit 1657